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Revisions

# C ROLLINS



# L L E G E

WINTER  
TERM  
CATALOG

1977

MONDAY, JANUARY 3 - WEDNESDAY, FEBRUARY 2

Rollins College • Winter Park, Florida 32789





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## I GENERAL INFORMATION

### Introduction

Winter Term is designed to provide a different type of learning experience from the fall and spring terms. With concentration on one subject, you will have more opportunity to work "on your own," and to explore areas of learning which do not fit into the longer terms. During this period, the student may stay on campus and take an intensive course, a directed study or an independent study, or choose to work off-campus in an off-campus group study or an individual off-campus project. Regardless of the nature of the study, each student is expected to devote a minimum of 40 hours per week to his or her academic work. No student may register for more than one course or independent study project during the winter term. It is hoped that you will take full advantage of the winter term as an opportunity to explore a field in depth.

Please take time to read this booklet carefully. It contains information on all the various opportunities offered during the winter term. It is organized into four main sections: On-Campus Courses, Off-Campus Group Studies, Individual Off-Campus Projects and a special section on Engineering at Washington University at St. Louis. The first section on On-Campus Courses is further divided by division and then by department. There will be a few additional On-Campus Courses which we will publicize at a later date in an addendum to this catalog.

### Types of Opportunities

#### On-Campus Courses

The On-Campus Courses described in this catalog are classified as Intensive Courses (IC), Directed Studies (DS), or Independent Studies (IS).

There are no exact definitions which can be used to distinguish the Intensive Courses from the Directed Studies. However, in general, the Intensive Courses follow a more traditional format than the Directed Studies. The Intensive Courses usually include a substantial amount of lecture and/or laboratory time with the instructor and employ evaluation methods similar to those used during the fall and spring terms. Many of the Directed Studies are designed to prepare the student, through a gradual process, to assume more responsibility and self-direction in his or her academic work. Interaction between the instructor and the students will take place through a combination of group instruction and individual conferences, and students will be required to carry out some kind of individual project.

Since many of the courses marked either IC or DS employ a combination of these two formats, the best way to determine the true nature of the teaching methods employed in a particular study is to see the instructor. However, it is important to note that students in the Honors Degree Program may not use an Intensive Course to satisfy the Directed Study requirement of that program.

The Independent Study is a research course based on one student in his or her project and one instructor working with that student. In addition to the Independent Studies listed in this catalog, a student may arrange for an Independent Study by conferring with an instructor in the field in which he or she desires to work. A student planning to do an Independent Study should carefully work out a proposal for his or her research before the beginning of the winter term. Individual conferences between the instructor and the student should be scheduled on a regular basis. The instructor and the student should agree on the nature of the final paper and the submission deadline.

### Off-Campus Study

For the general student who wishes to study off-campus, we have two different types of opportunities: Off-Campus Group Studies and Individual Off-Campus Projects.

An Off-Campus Group Study is essentially the same type of course as an On-campus Directed Study, differing in its location as an on-site laboratory and having a research emphasis other than the library or scientific laboratory. It affords the student an opportunity for broadened instruction, both from the instructor and from the personnel living in the areas being visited. Although the "tour concept" is inherent in a group study, its experiences will involve far more than sight-seeing. It includes definite academic requirements to be met in addition to group discussion and individual conferences. The specific requirements are related directly to the purpose of the study; however, most of these courses do include some kind of an independent project.

Individual Off-Campus Winter Term Projects are similar in nature to the On-campus Independent Studies; however, they provide the student with the opportunity to make use of the resources of the host organization in his independent research. A student working on such an off-campus project must have a proposal approved by a faculty sponsor, a representative of the host organization and a faculty review committee. The evaluation of the project is performed by both the host organization and the faculty sponsor.

Pre-engineering students are provided with the opportunity to take engineering courses during the winter term through a cooperative agreement with Washington University at St. Louis. Students participating in this program will enroll in one of the three two-week intensive courses at Washington University and receive course credit from Rollins College. For details on this program and course descriptions see Section V of this catalog.

### Culture and Distribution Requirements

Courses which satisfy the Foreign Culture Requirement are indicated by a "c" in the Course Lists and Course Descriptions. Unlike the fall and spring terms, only those courses marked with a "d" in the Course Lists may be used to satisfy the Distribution Requirement. Courses which may be used to satisfy the laboratory portion of the Science Requirement are marked "d" and have the accompanying phrase "with laboratory." Of course, the other science courses marked "d" may be used to satisfy the non-laboratory portion of the Science Requirement. The same course may not be used to satisfy both the Distribution Requirement and the Foreign Culture Requirement.

### Registration Procedure

This year we will have a combined winter and spring pre-registration from November 9 through November 19, with the final registration for both winter and spring in the Field House on Saturday, December 4. However, for those students who are planning an Off-Campus Group or Independent Study, the registration or approval procedure will start before the beginning of the regular pre-registration.

Those students planning to do an Individual Off-Campus Project should begin the approval procedure described in Section IV of this booklet immediately,



since the completed forms must be received in the Office of the Provost by November 1. Students will receive notice on whether their project has been accepted or rejected by November 17.

We will hold an early registration for Off-Campus Group Studies from October 4 through October 11. Those students interested in participating in one of these studies, which are described in Section IV of this catalog, should first meet with the instructor conducting this study to discuss the itinerary, cost and academic requirements. To register for one of these studies, the student simply picks up a card from the instructor and submits it to the Registrar's Office. The student will then receive a receipt which should be submitted to his or her adviser during the regular pre-registration procedure.

Students planning to do an On-Campus Independent Study should pick up an Independent Study Proposal form from the Registrar's Office, complete it and submit it with the other forms to his or her adviser during the regular pre-registration procedure. Be sure to make copies of this form for you and your instructor.

Students who wish to register for an On-Campus Intensive Course or Directed Study should see their adviser between November 9 and November 19 and select three winter term courses in order of priority. Courses which require consent must be signed by the instructor in the appropriate place on the Course Request form. Students will also select their spring term courses during this period. The adviser will not sign the Course Request form unless the student has chosen winter and spring term courses. All these forms will be submitted to the Registrar's Office by the adviser by 4:00 P.M. November 19. Course selection forms which have not been completed in time for the adviser to meet this deadline, will be processed after all other forms are processed. Winter and spring term selections will be processed by the Registrar's Office from November 22 through November 30. Students will receive status reports for their winter and spring term courses by the 30th of November.

Final registration for winter and spring terms will be held in the Field House on December 4. Students will receive a listing of newly opened sections and any other alterations to their original schedule. They will then drop and/or add classes for winter and spring terms.

#### Winter Term Grading

With the exception of Off-Campus Group Studies and Individual Off-Campus Projects, all courses offered during the winter term are on a regular graded basis. However, if both the instructor and the student agree, the course may be taken as CREDIT/NO CREDIT, provided the student notifies the Registrar in writing by the end of the first week of the winter term.

Off-Campus Group Studies and Individual Off-Campus Projects are on a CREDIT/NO CREDIT basis; however, if both the student and the instructor agree, the study may be taken for a letter grade. In this case, the instructor simply forwards the letter grade to the Registrar at the end of the term without prior notification.

A winter term course taken on a CREDIT/NO CREDIT basis is not counted toward the four such courses which may be taken in the fall or spring terms; however, it must be an elective. The only exception is that an Off-Campus Group Study to a foreign country taken as CREDIT/NO CREDIT, may be used to meet the Foreign Culture Requirement.



## II ON-CAMPUS COURSES

This section includes both course listings and course descriptions for all On-Campus Intensive Courses and Directed Studies. It is organized by Division and then by Department. This year we are very privileged to have two visiting professors who will be offering winter term courses. Brief biographical descriptions for these two distinguished educators are given below.

### CLIFFORD J. CRAVEN

President - State University of New York College at Oneonta

Dr. Craven has served as the President of the State University of New York at Oneonta since 1971. He was also Acting President of the University during the 1970-71 academic year. In addition to his extensive administrative duties as President of the College, Dr. Craven serves the State University in various capacities. He was elected as a member of the Chancellor's Council of Presidents, a representative group which considers matters of State University and state higher educational policy, and is also a member of the Chancellor's Committee on Flexibility, a small group which advises the Governor's Office on management decisions to be taken in collective negotiations. Dr. Craven has served on a number of committees and work groups concerned with international exchange. In 1971 he was a senior member of a State University of New York task force which visited most Israeli universities to discuss the possibilities and limitations of cooperative research in faculty exchange. He was granted two months Presidential Leave, June and July of 1973 for study in India under a federal grant. This study concentrated on Indian University admission standards and the problem of "Educated Unemployed." Dr. Craven served as Dean of Students at the State Teachers College at Oneonta from 1952-1956, the Dean of Students at the University of Oklahoma from 1956-1964, Vice President and Dean of Academic Affairs at the State University of New York College at Oneonta from 1964-1970. He was also an instructor of Political Science and Sociology and Assistant Dean of Men at Syracuse University from 1946-1952.

Dr. Craven received his Bachelor of Arts degree from Syracuse University in 1942, his Master of Arts in Guidance from Columbia University in 1946, and his Doctorate in Higher Education from Syracuse University in 1951. We are honored that Dr. Craven will be giving a course entitled "Education for World Understanding" (described on page 29) at Rollins College this winter term.

### DR. DANIEL E. WOODS

Emeritus Professor of Classics and Archaeology - Manhattanville College  
and  
Director of the William L. Bryant Foundation's Archaeological Mission in Spain

Dr. Daniel E. Woods is an internationally known archaeologist, and leading authority on Greek and Roman Spain. He is the author of several publications of archaeological excavations in Spain and has also participated in excavations in Mexico, North Africa, and the Greek Island Samothrace.

Under the auspices of the W.L. Bryant Foundation and Manhattanville College he directs a school of archaeology each summer on the Spanish Island of Majorca. Since the summer of 1956, assisted by archaeologists from Spain, England, Switzerland and Germany and the United States, he has been uncovering the Roman Colony, Pollentia, founded in 123 B.C., and the pre-Roman Necropolis of Son Real.

In recent years (1965-1969) Dr. Woods has been interested in the search for the lost site of fabled Tartessos in southern Spain. During this search he has conducted excavations in Carteia, Cadiz, Huelva. In 1969 he was co-organizer of the International Symposium of Tartessos and Its Problems. The Symposium was held in Jerez de la Frontera. It brought together leading experts on the problem from Europe and the United States. The Bryant Foundation published the papers read at the Symposium.

Dr. Woods is one of the directors of the Spanish Institute, Inc., New York, N.Y. He is a founding director of the Centre Arqueologico Hispano-Americano, and a member of various international archaeological associations.

We are very honored that Dr. Woods will be presenting a course this winter term entitled "Art and Culture-History of the Mediterranean Area" (described on page 10).



## COURSE LISTINGS

## EXPRESSIVE ARTS DIVISION

#  
enrolled

LIMIT		Type		Instructor
Art				
15	A 291	Woodblock Painting	Consent DS	Peterson 24
16	A 292	Raku	IC	Larned 15
12	A 293 d	The American Dream and Its Manifestations in the Art of the U.S.	IC	Lemon 1
NL	A 294/ <del>BH-294</del>	Art and Culture - History of the Mediterranean Area (Minoan and Mycenaen Civilization)	IC	Woods {8 4
Music				
40	MU 111 d	Music As Sound	Consent IC	Carlo 88
18	MU 291 cd	Words and Music	Consent DS	Brockman/7
15	MU 297 cd	Bach for Beginners	Consent IC	Rosazza
15	MU 391 d	Collegium	Consent IC	Woodbury 8
				Gallo 1
Speech				
20	SP 108 d	Interpersonal Communication	Consent IC	Planck 19
Theatre Arts				
50	TA 198/298/ 398	Theatre Workshop	Consent IC	Staff {20 12 3 1 4

## HUMANITIES DIVISION

English				
NL	E 102	Freshman Rhetoric and Composition Workshop	Consent IC	Ser 4
15	E 291	The Image of Hollywood in American Fiction	Consent DS	Pastore 9
20	E 292	The Roar of the Crowd	Consent DS	Cohen 21
10	E 293	Hemingway - The Man and The Work	Consent DS	Hamilton 8
30	E 294 d	The Sounds of Shakespeare	IC	Dorsett 9
18	E 295/ <del>H-295</del>	White on Black/Black on White Part II: The Southern Experience	Consent DS	O'Sullivan/8
25	E 296 d	Putting on Shakespeare	DS	Reddick 15
15	E 391	Reading Contemporary Poetry	Consent IC	Nordstrom 24
				MacKenzie 9
Foreign Languages				
10	SH 195 c	The Spanish Players	Consent DS	Borsoi 10
20	FR 391 c	Superior French	Consent IC	Lancaster 12
5	SH 499 c	Independent Study in Spanish Literature	Consent IS	Sedwick 2
NL	RN 192c	MODERN SOVIET LIT	DS HK13	2 9
Philosophy and Religion				
10	R 195 d	Readings in Western Religion	Consent DS	Darrah 8
20	PH 196	Mediums, Mystics and Meditation	Consent DS	Edge 20
18	PH 197 d	Personal Philosophy	DS	Wavell 16
25	PH 198	Ethics and the Environment	DS	Peters 19
20	R 291	Intimacy and the Future of Marriage	Consent IC	Wettstein 24

NL RN 193c THE RUSSIAN TYPEWRITER 9M IS HK13 Danowicz 4

# NATURAL SCIENCES AND MATHEMATICS DIVISION

#  
enrolled

limit

<u>Biology</u>			
24	B 110 d	Concepts in Biology - with Lab	IC
25	B 112 d	Biological Aspects of Nutrition - with Lab	IC
12	B 391	Histology and Microtechnique - with Lab	Consent IC
<u>Chemistry</u>			
24	C 195 d	Wine Women and Chemistry - with Lab	DS
24	C 198 d	Photography - The Meeting of Arts and Sciences- with Lab	Consent IC
NL	C 390	Instrumental Analysis - Lab course	IC
NL	C 499	Independent Study	IS
<u>Mathematics</u>			
30	M 189 d	Mathematics For Use in Your Field	Consent DS
15	M 197	Linear Programming	Consent IC
	M 391	An Introduction To Game Theory	Consent IC
NL	M 112 d	Intermediate Calculus 9MTWRF	Consent IC
	Physics		
24	P 191 d	Speculative Fiction and Science Fact	Consent DS
<u>Science</u>			
24	SC 110 d	Discovery Approach to Physical Science - with Lab	IC
20	SC 150 d	Introduction to Computing	Consent IC
48	SC 160 d	Computers in the Sciences (01) (02)	Consent IC
48	SC 160	" " " "	

## SOCIAL SCIENCES DIVISION

<u>Behavioral Science</u>			
15	BH 192 d	Archeological Field Methods	Consent IC
12	BH 194 d	Biophysical Measurements	IC
12	BH 196	The Automobile and American Society	Consent DS
15	BH 291/87	The Skid-Row Alcoholic	Consent DS
15	BH 292	Field Research in Ecological Psychology	Consent DS
	BH 294/	Art and Culture - History of the Mediterranean	IC
	A 294	Area (Minoan and Mycenaen Civilization)	
10	BH 296/	Environmental Monitoring	Consent DS
10	ES 296		
20	BH 188	Scientific Method & Pseudoscientific Theories	Consent DS
<u>Economics and Business Administration</u>			
30	BA 190	Introductory Marketing	IC
30	EC 192	Economic Problems of Technology in the U.S.	IC
30	EC 308	Investments	IC
30	BA 390	Marketing Research and Decision Making	Consent IC
NL	EC 394	Economic Paradigms and Methodology	Consent IC
30	BA 395	Managerial Finance	Consent IC
20	EC 396	The Economics of Not-for-Profit-Production	Consent IC
25	BA 398	Taxation	Consent IC
NL	BA 499/	Senior Independent Study	Consent IS
NL	EC 499		

13 BH 295 Cross Cultural Study of the Elderly  
Consent IC Requies 14



*Limel*

#  
enrolled

Education

35	ED 191	Speed Reading Through the Liberal Arts	Consent	IC	Stevens	42
30	ED 291	Directed Observation and Participation	Consent	DS	McAleer	76
10	ED 292	Field Experience in Special Education	Consent	DS	Kahn	17
20	ED 294	Education for World Understanding		DS	Craven	10
21	ED 295	Sch + Comm Counseling		IS	Cotnam	17
	<u>History</u>					
25	H 189	English History According to Hollywood		IC	Levis	21
20	H 196	Rollins College and the Liberal Arts Experience: An Historical Perspective		DS	Lane	
15	H 197	Nixon's America, America's Nixon	Consent	IC	Williams	8
10	H 295/	White on Black/Black on White	Consent	DS	Reddick/	5
	<del>E-295</del>	Part II: The Southern Experience			O'Sullivan	5

Political Science

15	PO 195	Mass Media - Propaganda - "The Folklore of Industrial Man"	Consent	DS	Gilbert	17
15	PO 290 c	Latin Americans in the U.S.	Consent	DS	Valdes	4
20	PO 192d	The War in Vietnam			Lairson	17

## Course Descriptions

Winter Term 1977

### ART

WOODBLOCK PAINTING      A 291      (DS)  
Mr. Tom Peterson      Office: Art Building 18

Course Description: A laboratory or studio course in which various techniques of black and white and color woodblock printing are studied for the purpose of stimulating original and creative work by students. Class time and outside time will be devoted to developing usual themes appropriate to the woodcut medium.

Means for Evaluation: Evaluation will be based on quality of finished work (prints) and dedication to the development of appropriate skills and thought.

Class Meetings: Class will meet five days a week for three hours each day.

First Class Meeting: 9 A.M. Monday in the Printing Studio

RAKU      A 292      (IC)  
Mr. Ronald Larned      Office: Art Building 22

Course Description: This course will cover both the historical background and contemporary uses of Raku. Course study will include handbuilt forms, wheel-thrown forms, clay formulation, glaze types and application and firing techniques. This course will offer the opportunity for the student who normally wouldn't have a chance to become involved in the arts to do so. Out of this direct involvement will come an increased awareness and appreciation of other areas of visual art.

Means for Evaluation: Evaluation will include tests on material covered in class and outside readings, mid-term and final exams; reports on research; grades on projects and notebooks covering designs; and glaze test results.

Class Meetings: Class will meet four days a week for three hours each morning as a group and will work individually each afternoon for four hours. There will also be required readings and research.

First Class Meeting: 9 A.M. Monday in Art Building 6

THE AMERICAN DREAM AND ITS MANIFESTATIONS IN THE ART OF THE U.S.      A 293 d      (IC)  
Mr. Robert Lemon      Office: Art Building 24

Course Description: The course will begin with the study of the people of the United States from the standpoint of a British cultural anthropologist. A brief will be made of pragmatism, transcendentalism, and funk. Then a tentative definition of the American Dream will be formulated. A subsequent investigation as to the fulfillment of, or disillusionment with the dream will be sought in American literature, music, visual art, and architecture. There will be an intentional absence of historical orientation in this study. Sources for study will not be exclusively fine arts, but will also include some popular, folk, and vernacular arts. The course is structured to help the students objectively understand themselves as participants in cultural phenomena, as well as to make comparative explication of the arts in order to grasp an overall aesthetic view which is, for the most part, not derived immediately from European experience.

Means for Evaluation: Evaluation will include oral reports, written reports, class participation, and individual conferences.

Class Meetings: There will be ~~three~~ three-hour seminars each week and six hours of individual conferences per week.

First Class Meeting: 9 A.M. Monday in Art Building 25



## ART CON'T.

ART AND CULTURE - HISTORY OF THE MEDITERRANEAN AREA (MINOAN AND MYCENAEAN CIVILIZATION) A 294/BH 294 (IC)  
Professor Daniel E. Woods

Course Description: A study of the archaeological method in building a knowledge of a lost civilization and culture by a study of the material remains (architecture, sculpture, painting, pottery, seals, jewelry, weapons, scripts) revealed by past and recent excavations of the Greek (Minoan-Mycenaean) Neolithic and Bronze Age (c. 3000-1200 B.C.). This course aims to acquaint the student with a culture and civilization that had passed out of man's mind, even the mind of the Greek, and yet was dimly recalled by surviving traces in Greek Mythology (Theseus and Ariadne; the Labyrinth; the story of the Trojan War) and Religion (the Snake Goddess). This civilization was restored by curious "romanticists" and scholars (Schliemann, Evans, Marigatos, Blegen, Mylonos, Ventris). The course will attempt to show how this was done by the cooperation of philologists, archaeologists, scientists, art historians, and dedicated "amateur" archaeological business men.

Means for Evaluation: Evaluation will include an oral report of individual research, a final examination, and a properly researched, foot-noted and bibliographed term paper.

Class Meetings: There will be illustrated lectures meeting three days a week for two hours each time. There will be as many individual conferences and informal group discussions as student needs require.

First Class Meeting: 9 A.M. Monday in Art Building 2

*slides*

## MUSIC

MUSIC AS SOUND MU 111 d (IC)  
Mr. Alphonse Carlo Office: Keene 202

Course Description: The student is trained to become an ACTIVE listener to music and a participant in creating musical experiences. Together with fellow students and instructor the goal of musical perceptiveness is pursued through musical involvement. The course reaches out toward the music of all cultures and times, taking in music of Africa and Asia along with Western folk music, jazz, rock, the standard concert repertory, and the frontiers of composition today. All these are explored for the features they share: SOUND, TIME, RHYTHM, PITCH, and the orderly effects of GROWTH and STRUCTURE. Running through the step-by-step focus on each of these elements is the unifying concept of TENSION and REPOSE cycles. Each element is probed in terms of these ever-recurring cycles that are central to whatever impact the music makes on us.

Means for Evaluation: Evaluation will include oral reports and research papers as part of daily classes, homework assignments in reading of prescribed texts, written reports on special topics or phases of music. There will also be periodic tests on material covered (both written and aural recognition of different types and selections of music) and a comprehensive final examination.

Class Meetings: Class will meet five days a week for two hours each afternoon. There will be individual conferences scheduled two hours daily plus other hours as needed. Ten hours of listening to recorded music in the Multi-Media Listening Lab per week will also be required.

First Class Meeting: 2 P.M. Monday in Keene Hall's Rogers Room

## MUSIC CON'T.

WORDS AND MUSIC MU 291 cd (DS)  
Mr. Thomas Brockman/Mr. Ross Rosazza Office: Keene 222

Course Description: A study of the influence of text on musical composition and form which will involve orchestral, choral and piano literature as well as opera and musical comedy. Under study will be music from early forms to the Broadway musical comedy. Corresponding literary works will represent a major portion of the study. The course aims to acquaint the student with the four great literary works chosen for study and with the outstanding musical inspirations which have come from those works. The literary works are ROMEO AND JULIET, HENRY IV (Parts I and II) for character of Falstaff, DON QUIXOTE, and THE TALES OF HOFFMAN.

Means for Evaluation: Evaluation will include written reports, oral reports, and a final research project.

Class Meetings: Class will meet for four two-hour sessions per week for explanation, discussion, and listening. Individual conferences will be arranged as needed by individuals in the class.

First Class Meeting: 9 A.M. Monday in Keene Hall's Rogers Room

BACH FOR BEGINNERS MU 297 cd (IC)  
Dr. Ward Woodbury Office: Keene

Course Description: An approach to the music of J.S. Bach aimed at the uninitiated. Background of composer's life and works. Intensive listening and analysis of specific works to be featured at the annual Bach Festival.

Means for Evaluation: Evaluation will include tests on the text and on listening assignments and written reports of the Bach Festival.

Class Meetings: Class will meet five days a week for two hours each morning. Class time will be spent on lectures, films, records and rehearsals of the Bach Choir. There will be an average of one hour of individual conference per week.

First Class Meeting: 9 A.M. Monday in Keene 102

COLLEGIUM MU 391 d (IC)  
Dr. William Gallo Office: Keene 218

Course Description: This course aims to teach students an appreciation of a little-known type of music through both study and performance. The course will consist of studying and learning to perform music of the middle ages and early renaissance.

Means for Evaluation: Evaluation will consist of tests, both on material and performing skills, and class reports.

Class Meetings: Two hours a day of formal class will be held during which the music of the middle ages will be studied with particular reference to performance practices. Two additional hours each day will be spent in a laboratory situation learning to play recorders and crumhorne and/or singing music of the period under the instructor's supervision. The remainder of the day the students will spend in completing reading and listening assignments. This class will meet five days a week for four hours each day.

First Class Meeting: 9 A.M. Monday in Keene 117



## SPEECH

INTERPERSONAL COMMUNICATION      SP 108 d      (IC)  
Mrs. Carolyn Planck      Office:

Course Description: This will be guided as a course centering about discussion and sharing by members of the class. Topics and study guides will be provided, readings in text and supplementary materials will be required, and participation in all activities will be essential. Areas to be covered are self concept, perception, language, feedback, non-verbal communication, listening, feelings, conflict, behavior patterns, and cultural, small group and dyadic communication. This course aims to develop an awareness of elements and behaviors in personal communication, to increase effectiveness at an interpersonal level.

Means for Evaluation: Evaluation will consist of a journal, papers, projects, a test and class participation.

Class Meetings: Class will meet four days a week for informal sessions for interaction exercises or discussion. Class meetings will average 15 hours per week.

First Class Meeting: 9 A.M. Monday in Crummer 317

## THEATRE ARTS

THEATRE WORKSHOP      TA 198/298/398      (IC)  
Theatre Arts Staff

Course Description: Practical work in the production of plays, touring of plays, limited practical class-work in basic stagecraft, and make-up. Required of majors, open to all students. Work is conducted on a daily, prescribed work schedule. Hours are long and some work arduous for first 3-1/2 weeks of term. This course will be graded on a CREDIT/NO CREDIT basis.

Means for Evaluation: Work will be evaluated on a weekly basis using a structured evaluation form. These forms are evaluated by the theatre staff each week. In depth evaluation, including conference with each student, last week of term.

Class Meetings: Class will meet daily from 10 A.M. to 12 noon; 1 P.M. to 5 P.M.; and 7 P.M. to 10 P.M. for approximately 3-1/2 weeks. Then there will be daily meetings of approximately one hour. There will be individual conferences as the work demands.

First Class Meeting: 10 A.M. Monday in the Annie Russell Theatre

## ENGLISH

FRESHMAN RHETORIC AND COMPOSITION WORKSHOP      E 102      (IC)  
Dr. Cary D. Ser      Office: Orlando 107

Course Description: This course is intended to aid those students who have taken a regular section of E 101, but who have failed to demonstrate sufficient competency in writing at the college level. This course will intensively prepare those students to do the best college level writing of which they are capable.

Means for Evaluation: The student will be evaluated on the basis of written essays.

Class Meetings: There will be five workshops each week for three hours each day. The student will average two hours of individual conferences each week also.

First Class Meeting: 9 A.M. Monday in Orlando 105

ENGLISH CON'T.

THE IMAGE OF HOLLYWOOD IN AMERICAN FICTION      E 291      (DS)  
Dr. Philip Pastore      Office: Orlando 110

Course Description: The course seeks to gain a reasonable knowledge of the impact of Hollywood on American culture, and, perhaps, the image of American culture that Hollywood itself projects. (Fiction is sometimes a mirror of itself). The idea of appearance and reality is basic both to fiction and film. This course, will concentrate on Hollywood itself, rather than any consideration to the art of filmmaking.

Means for Evaluation: The primary grade will emerge from the project the student engages upon--most likely an extensive paper, 25 to 30 pages on some particular aspect of the Hollywood days.

Class Meetings: Class will meet for approximately 2 to 2-1/2 hours each day for the first three weeks. As soon as a research topic is decided upon, there will be individual conferences as needed--usually only about three or four meetings are needed after the third week.

First Class Meeting: 9 A.M. Monday in Orlando 106

THE ROAR OF THE CROWD      E 292      (DS)  
Dr. Edward Cohen      Office: Orlando 112

Course Description: Through the reading and discussion of significant works of fiction and non-fiction, students will study the various images, roles, and conditions of the athlete in American society. Central to the study will be considerations of: 1. the spectator's perception of the athlete as hero, bum, alter-ego, panty-hose salesman; and, 2. the athlete's perception of himself as individual, teammate, performer, businessman. The instructor will endeavor to recruit professional athletes to meet with the class to respond to questions that arise from readings and discussions, such as: What will the athlete do with the last thirty years of his life? Is the athlete's service to society really worth the salary commanded? What personal conflicts exist between the athlete's personal obligations and those to society? The class will also participate in athletic events in order to understand the athlete's perspective and will attend athletic events to evaluate the behavior of athletes in performance and the nature of the spectators' response to that performance. This course, among other things, will attempt to draw some coherent personal view of the athlete as a sociological phenomenon.

Means for Evaluation: The student will be evaluated on five short papers (1000 to 3000 words), one due each week, to be written and revised until acceptable for grading.

Class Meetings: There will be two discussion sessions daily for two hours at a time. Attendance is required at every session, all term. Individual conferences will also be arranged to discuss topics for papers and methods of writing and revising these papers.

First Class Meeting: 9 A.M. Monday in Orlando 101



ENGLISH CON'T.

HEMINGWAY - THE MAN AND THE WORK      E 293      (DS)  
Dr. John Hamilton      Office: Orlando 211

Course Description: This course aims to develop critical methods for the study of fiction in general and Hemingway in particular; to explore already-developed interests; to find new interests; to give the opportunity for learning how to become coherent about both likes and dislikes in the study of fiction; to develop the basis for value judgements about both literature and human experience of the kind found in Hemingway's fiction. Ten days will be spent on intensive introduction to the literary methods, the author's apprehension of experience, the relationship between the life of the author and the fiction, and the literary milieu of the author--as seen both in the short fiction as well as the major novels. The second third of the course involves both library research and reading, and individual conferences between student and instructor and related groups, if any, in the class. These activities will be expected to lead up to presentations, oral and written, made during the last five days of the course.

Means for Evaluation: The student will be evaluated on the basis of oral reports, written reports, research papers, and conferences.

Class Meetings: These will be seminar-type meetings, approximately 2-1/2 hours in length, with brief break in between first and second half of the period. These seminars will be held on the first ten days and the last five days of class. There will be ten days in conferences and in the library. There will usually be daily individual conferences, but these will be dependent in part on the need of the student.

First Class Meeting: 9 A.M. Monday in Orlando 201

THE SOUNDS OF SHAKESPEARE      E 294 d      (IC)  
Mr. Wilbur Dorsett      Office: Orlando 108

Course Description: This is an intense laboratory course in listening to recordings of a selection of Shakespeare's major plays and recordings of some musical compositions inspired by his plays--modern musicals, overtures, incidental music, etc. Each student will write a paper on an assigned subject related to the performance of the plays. Shakespeare wrote his poetic dramas more for the ear than for the eye. In contrast to our regular English courses, this course aims to emphasize adequately the aural power of his work.

Means for Evaluation: Students will be evaluated on the basis of their participation in the discussions and their individually written papers.

Class Meetings: Class will meet five days a week for three hours each morning.

First Class Meeting: 9 A.M. Monday in Woolson House

WHITE ON BLACK/BLACK ON WHITE PART II: THE SOUTHERN EXPERIENCE      E 295/H 295 (DS)  
Dr. Maurice O'Sullivan/Mr. Alzo Reddick      Offices: Orlando 209/Carnegie 201

Course Description: This course will examine the history of the black community in Orlando and Eatonville in the context of black and white ideas and myths about the black experience in the South. We will combine readings from traditional and contemporary fiction, poetry, autobiography, and speeches with field trips and discussions with community leaders.

Means for Evaluation: Students will be evaluated on class participation, individual and/or group projects, weekly journal entries and comments and a final exam if needed.

Class Meetings: Approximately 15 hours per week on and off campus

First Class Meeting: 1 P.M. Monday in Orlando 206

## ENGLISH CON'T.

PUTTING ON SHAKESPEARE E 296 d (DS)  
Dr. Alan Nordstrom Office: Orlando 207

Course Description: At first we will be reading around in Shakespeare to determine upon a production program. Then we will divvy up the parts and production duties and begin blocking and rehearsing. A great deal of creativity and dedication will be called for to make as much out of an amateur effort as we can--but it should also be a lot of fun. Our ultimate goal will be to mount an amateur performance of Shakespearean experts, to be played to the College community at the end of the term. In the course of this endeavor, you should learn to read and express dramatic poetry confidently, to develop your powers of memory, and to move easily and appropriately on the stage. Non-drama students are especially solicited.

Means for Evaluation: The instructor's judgement of your effort and development throughout the term.

Class Meetings: Class will meet daily for discussions, readings and rehearsals. Individual conferences will average approximately 15 to 30 minutes per week.

First Class Meeting: 10 A.M. Monday in Orlando 206

READING CONTEMPORARY POETRY E 391 (IC)  
Ms. Jean MacKenzie Office: Orlando 111

Course Description: An extensive study of several contemporary poets (names to be announced). Emphasis will be on the variety of approaches to a poem and on the art of reading poetry aloud. Students will prepare outside for in-class discussion and performances. This course aims to familiarize students with the work of contemporary poetry and to revitalize the art of reading poetry aloud.

Means for Evaluation: Evaluation of the student will be based on oral reports and a final paper. There will be no tests.

Class Meetings: There will be two-hour seminars three times weekly, and an average of seven hours of individual conferences each week.

First Class Meeting: 9 A.M. Monday in Orlando 205

## FOREIGN LANGUAGES

THE SPANISH PLAYERS SH 195 c (DS)  
Dr. Ed Borsoi Office: Hauck 202

Course Description: This will be the third annual presentation of a play given in Spanish before an appropriate audience. The course consists of rehearsals and preparations. Students must be willing to take the parts assigned by the instructor and to undertake the chores related to the production. This course aims to allow students the opportunity to improve their linguistic skills in Spanish, to familiarize students with aspects of Hispanic culture as these are developed in the play, and to provide an opportunity to local Spanish language groups to see a live production in Spanish. Students should register for this course only if they are absolutely sure of remaining enrolled, since the selection of the play will be based on enrollment figures.

Means for Evaluation: Evaluation will be based on the instructor's assessment of cooperation, memorization of lines, and overall performance.

Class Meetings: There will be rehearsals for approximately three to four hours daily.

First Class Meeting: 9 A.M. Monday in Hauck Hall 102



## FOREIGN LANGUAGES CON'T.

SUPERIOR FRENCH      FR 391 c      (IC)  
Dr. Pat Lancaster      Office: Hauck 207

Course Description: A study of the fine points of syntax and stylistics as used in composition, differences in written and spoken language, extensive conversation practice involving oral presentations, scenes and dialogues, and conventional expositions. This is a top-level practice course which aims to give majors an opportunity to perfect the written and spoken language, and to provide students interested in improving their French, although not necessarily majors, a chance to keep their fluency.

Means for Evaluation: Evaluation will be based on written compositions at regular intervals and oral expositions.

Class Meetings: Class will meet five days a week for a two hour lecture-discussion each day. Individual conferences will be one to two hours per week, as needed.

First Class Meeting: 9 A.M. Monday in Hauck Hall 100

INDEPENDENT STUDY IN SPANISH LITERATURE      SH 499 c      (IS)  
Dr. Frank Sedwick      Office: Hauck 204

Course Description: Only students who have taken the third-year-level general Spanish literature course are eligible; for the idea is to generalize first with this course and then be prepared to study the works (or some aspect of the works) of a single writer or single theme in detail. This could be any writer or theme from the Middle Ages to the present, but in practice the instructor would attempt to steer students toward his field of specialization: 20-th century Spanish literature. The objective of this course is to know one thing well after having learned a little bit about many things in the prerequisite courses.

Means for Evaluation: Each student will write a minithesis in formal style and appropriately documented as a basis for his evaluation.

Class Meetings: Class will meet five days a week for two hours each day for guidance and direction for the student's reading and thinking.

First Class Meeting: 9 A.M. Monday in Hauck Hall 101

## PHILOSOPHY AND RELIGION

READINGS IN WESTERN RELIGION      R 195 d      (DS)  
Dr. Theodore S. Darrah      Office: French House

Course Description: This is a course in reading some of the classical statements that have come out of the Religion of the West. This course aims to acquaint students with some religious literature of the Western Culture.

Means for Evaluation: The student will be evaluated on the basis of class-work and three papers.

Class Meetings: Class will meet for discussion during the first two weeks.

First Class Meeting: 10 A.M. Monday in French House Group Dynamics Room.

## PHILOSOPHY AND RELIGION CON'T.

MEDIUMS, MYSTICS AND MEDITATION      PH 196      (DS)  
Dr. Hoyt Edge      Office: French House 3-A

Course Description: The subject matter of the course concerns the intersection of parapsychology and altered states of consciousness (using mysticism and meditation to exemplify the latter). There are two aspects of the course: 1. Experiential--The student will be introduced in class to 5-6 different kinds of meditations (TM, Silva Mind Control, Zen, Yoga, et al.) and will be asked to practice one of them for 20 minutes a day throughout the Winter Term. Through this practice, the student will be able to develop his own method of meditation for whatever purpose desired (religious or simply relaxation). 2. Academic--The student will read literature in the areas of parapsychology, mysticism and altered states of consciousness and develop a basic understanding of the relation among these areas.

Means for Evaluation: Each student will keep a journal of his reading and his meditations, in addition to a term paper.

Class Meetings: Class will meet for three hours daily for the first three weeks. There will be individual conferences periodically after the third week.

First Class Meeting: 9 A.M. Monday in French House Lounge

PERSONAL PHILOSOPHY      PH 197 d      (DS)  
Dr. Bruce Wavell      Office: Sullivan House

Course Description: This course provides students with an opportunity to formulate, examine and, if necessary, change the basic beliefs by which they live, with the help of their fellow-students, the instructor, and a selection of articles by major contemporary thinkers that focus on questions about values and ways of living of immediate and vital concern to students. Each participant will be required to write both a first, short statement of his basic beliefs, and a final, longer, more carefully reasoned statement. The main aim of this course is suggested by Socrates' well-known saying "The unexamined life is not worth living": it is to encourage students to apply rational, critical thought to their own lives. Thus, the course could be described as being one of applied philosophy. A secondary aim is to introduce students to some of the perennial problems of philosophy, and so to some of its most important academic content.

Means for Evaluation: Two papers are required: 1. A provisional, personal credo (3-4 pages), 2. A final credo giving a reasoned defense of personal beliefs (4000 words). Students will also be graded on class presentations of reading assignments, discussion, participation, etc.

Class Meetings: Class will meet five days a week: four hours a day the first week, and three hours a day thereafter. In addition to this, each student will have 1/2 hour of individual conference with the instructor per week.

First Class Meeting: 9 A.M. Monday in Sullivan House

ETHICS AND THE ENVIRONMENT      PH 198      (DS)  
Dr. Karl Peters      Office: French House 3-B

Course Description: An exploration of the interrelationship between man's basic guiding values, the use of the earth's resources, and the possibilities for human survival. Our examination of basic guiding values will include an analysis of the primary goals of ancient religious and philosophical traditions as well as those of our own, scientifically oriented society, and of how such goals relate to every day decision making processes that affect our use of the environment. We will ask whether it is possible for people today to readjust some of their basic values in order to increase the chances of future generations for survival at a higher level of existence.



## PHILOSOPHY AND RELIGION CON'T.

Means for Evaluation: Written projects, short papers on books and problems discussed in class, and class discussion will determine the student's grade.

Class Meetings: Class will meet five days each week for an average of 2-1/2 hours per day.

First Class Meeting: 9:30 A.M. Monday in Knowles Memorial Chapel Classroom.

INTIMACY AND THE FUTURE OF MARRIAGE      R 291      (IC)  
Dr. A. Arnold Wettstein      Office: Knowles Memorial Chapel

Course Description: An examination of marriage and alternative love-partnerships with an interest in determining patterns of change in marriage and associated norms their interactions and prospects. Problems of contemporary marriage, analysis of love-partnerships, relevance of religious and ethical views are to be studied, with the purpose of enabling students to develop their own understandings. Exercises in communication are an important aspect of the course.

Means for Evaluation: Written reports, oral presentations and a final examination will determine the student's grade.

Class Meetings: Class will meet four days per week for 2-1/2 hours each day.

First Class Meeting: 9:30 A.M. Monday in the Knowles Memorial Chapel Seminar Room

## BIOLOGY

CONCEPTS IN BIOLOGY - WITH LAB      B 110 d      (IC)  
Dr. Kathryn Edwards      Office: Bush 217

Course Description: A course in the principles of Biology for the non-science major, stressing the relationships among organisms including man. The major stress for the winter term version of this course will be human anatomy and physiology although most major subject areas of Biology will be surveyed. The course is equivalent in hours of lecture (40) and laboratories (12) to the long term version.

Means for Evaluation: The student will be based according to the proficiency in mastering the material covered in this course.

Class Meetings: There will be five 2-hour lectures per week and three 2 and 1/2 hour laboratories per week.

First Class Meeting: 9:30 A.M. Monday in Bush 201

BIOLOGICAL ASPECTS OF NUTRITION - WITH LAB      B 112 d      (IC)  
Dr. Mary Henderson      Office: Bush 220

Course Description: The course will cover an introduction to the carbohydrates, fats, proteins, and vitamins. Other topics with equivalent emphasis include the following: world food situation, nutrition in the U.S., digestion and metabolism, food additives, obesity, heart disease, and vegetarian diets. This course aims to introduce an understanding of how cells and organisms use food to grow and maintain themselves. To help students appreciate what is involved in proving a hypothesis scientifically vs. writing untested diet guides to cure whatever ails you.

Means for Evaluation: Three tests and several lab writeups.

Class Meetings: Lecture: Four 2-hour lectures and two 2-hour labs per week.

First Class Meeting: 10 A.M. Monday in Bush 207

## BIOLOGY CON'T.

HISTOLOGY AND MICROTECHNIQUE - WITH LAB      B 391      (IC)  
Dr. James W. Small      Office: Bush 209

Course Description: An intensive course examining the structure of living cells and tissues. Stress will be given to vertebrate tissue types and the methods necessary to prepare them for microscopic examination. Primarily a laboratory course, the lecture time will be kept to about one hour per day. Students will be given slide sets to examine relating to the lecture material and assignments for preparation of their own slides. Students by the end of the course should have good familiarity with slide making and some general knowledge of both Histology and Histochemistry.

Means for Evaluation: Students will be graded on the basis of their slides and two examinations, including practical examinations.

Class Meetings: There will be five hours of lecture per week and a minimum of fifteen hours of lab per week.

First Class Meeting: 9 A.M. Monday in Bush 204

## CHEMISTRY

WINE, WOMEN AND CHEMISTRY - WITH LAB      C 195 d      (DS)  
Dr. Robert Ridgway      Office: Bush 310

Course Description: The application of chemistry and chemical principles to topics of general interest to most students. While the particular areas covered will depend upon the interests of the students enrolled, possible topics include: wine making, cosmetics, drugs, environmental problems, photography and many others. The use of mathematics will be minimized and the level of presentation will be such that a scientific background, although helpful, will not be required. Laboratory projects related to discussion topics and the individual interests of the students will be an integral part of the course.

Means for Evaluation: Students will be evaluated in terms of tests, laboratory reports, and an independent term project, which will be written.

Class Meetings: Three 2-hour class meetings per week and two 2-hour lab periods per week plus off-campus tours.

First Class Meeting: 10 A.M. Monday in Bush 234

PHOTOGRAPHY - THE MEETING OF ARTS AND SCIENCES - WITH LAB      C 198 d      (IC)  
Dr. Erich Blossy      Office: Bush 313

Course Description: An introduction to the techniques, practice and theory of photography. Topics covered will include: chemistry of films, film processing, lens systems, optics, camera types, color theory, color films, and color processing. The course assumes high school level background in the sciences. With laboratory and darkroom practice. A still camera is required and the student must provide film and darkroom expendables. Aside from demonstrating the technical and scientific aspects of photography, this course will also show the interplay of science and art in one discipline.

Means for Evaluation: Quizzes, final exam, laboratory notebook and a portfolio.

Class Meetings: Daily 2-3 hours, two 2-hour labs per week.

First Class Meeting: 10 A.M. Monday in Bush 301



## CHEMISTRY CON'T.

INSTRUMENTAL ANALYSIS - LAB COURSE C 390 (IC)  
Dr. George T. Cochran Office: Bush 314

Course Description: This course aims to provide the clear understanding of important instrumental techniques, the basic design and use of the instruments, and the significance of the data produced. The basic techniques include: mass spectroscopy, atomic absorption and flame spectroscopy, ultraviolet-visible-flourescent spectroscopy, separation techniques (column, gas-liquid, TLC, etc.), nuclear magnetic resonance spectroscopy, and infrared spectroscopy. Basic electronic theory will be involved.

Means for Evaluation: Written reports, tests, oral quizzes and a final exam.

Class Meetings: Class time will be arranged, but will include two hours a day for the first ten meetings, and approximately thirty hours of lab per week.

First Class Meeting: 9 A.M. Monday in office (Bush 314)

INDEPENDENT STUDY C 499 (IS)  
Staff

Course Description: The Independent Study provides intensive examination by the student of a specific problem in Chemistry. The work normally consists of a literature survey, experimental design, research, and preparation of both a written and oral report (seminars). The student after consulting the departmental staff selects a particular problem. A literature survey is then completed and the research begun. A student is expected to consult frequently with the faculty advisor. Written and oral reports are required.

Means for Evaluation: Written research report and oral defense of investigation.

Class Meetings: There are no class meetings however there will be arranged individual conferences. There will be a minimum of 40 hours of laboratory experience per week.

First Class Meeting: Arranged

## MATHEMATICS

MATHEMATICS FOR USE IN YOUR FIELD M 189 d (DS)  
Dr. Raymond Roth Office: Bush 329-A

Course Description: This course aims to make the necessary derivations and applications from Mathematics needed in various courses in sciences, behavioral sciences, economics and business administration easier to understand and to use. Any or all of the following will be outlined in lecture as the need arises: 1. Uses of graphs, inequalities, logs, scientific notation; 2. Matrices in their simplest usages; 3. Concepts of derivatives and differential equations in application; 4. Definite integrals applications.

Means for Evaluation: Chiefly by assigned problem in "lab" and out.

Class Meetings: Four days a week for four hours each day and one four hour lab period each week. Conferences will also be made available by appointment.

First Class Meeting: 8 A.M. Monday in Bush 327.

## MATHEMATICS CON'T.

LINEAR PROGRAMMING      M 197      (IC)  
Mr. Ralph Naleway      Office: Bush 329-F

Course Description: An introductory course in the mathematical methods used in solving certain management problems. Considerable emphasis will be given to the simplex method for solving these problems. The basic transportation and assignment problems will be investigated as special cases. This is an applied mathematics course of interest to students of business, mathematics, and computer science. Computer demonstrations will be available.

Means for Evaluation: Two tests, homework assignments and class participation will determine the student's grade.

Class Meetings: Five days a week for three hours each day. In addition to this, there will be two hours of individual conferences each week.

First Class Meeting: 9 A.M. Monday in Bush 326.

AN INTRODUCTION TO GAME THEORY      M 391      (IC)  
Dr. Alexandra Skidmore      Office: Bush 329-D

Course Description: This course aims to educate students in one of the newest branches of mathematics. Like most branches of mathematics, game theory has its roots in certain problems abstracted from life-situations; war, for example. The situations are those which involve the necessity of making decisions when the outcomes will be affected by two or more decision-makers who, typically, are in conflict with one-another. However, game theory is not concerned with any particular game, but with all of them, not with technical, but with theoretical matters. In addition to theory, some applications to social behavior and management science will be examined.

Means for Evaluation: Tests, written and oral reports will determine the student's grade.

Class Meetings: Five days per week for three hours each day. Hours may be expanded as needed.

First Class Meeting: 9 A.M. Monday in Bush 325

## PHYSICS

SPECULATIVE FICTION AND SCIENCE FACT      P 191 d      (DS)  
Dr. Robert Carson      Office: Bush 124

Course Description: This course is designed for non-science majors who wish to understand some of the scientific concepts (and misrepresentations) found in speculative fiction. It is really a survey of numerous topics in science within the format of so called "escapist literature." The reading load will be moderately heavy. There will be lab sessions so students can do some science as well as read about it. Emphasis will be more on the possibility or improbability of the science presented in the stories; the literary context is secondary.

Means for Evaluation: One research paper, two written reports, a series of quizzes on the reading assignments, and laboratory progress will determine the student's grade.

Class Meetings: Lecture and Discussion will meet five days a week for two to two and a half hours each day. Lab and large demonstrations will meet once or twice a week for about 2 hours. There will also be about five hours of individual conferences per week.

First Class Meeting: 9 A.M. Monday in Bush 114



## SCIENCE

DISCOVERY APPROACH TO PHYSICAL SCIENCE - WITH LAB      SC 110 d      (IC)  
Dr. Herbert Hellwege      Office: Bush 317

Course Description: A study of motion, matter and energy emphasizing the process of science and the way in which a very small number of fundamental concepts can be combined to account for a wide variety of seemingly complicated phenomena. A primary objective is to impart to the student a sense of excitement a scientist feels about his work by involving the student in the activity of discovery. Emphasis will be on the unique role of heat as a form of energy. No background in physical science is assumed.

Means for Evaluation: Quizzes, tests and lab reports.

Class Meetings: Daily for three hours each morning. There will also be two labs each week of two to three hours in length.

First Class Meeting: 9 A.M. Monday in Bush 107

INTRODUCTION TO COMPUTING      SC 150 d      (IC)  
Dr. J.D. Child      Office: Bush 329-B

Course Description: An introduction to fundamental and advanced concepts of the computer language BASIC using the Rollins time-sharing system. Topics covered will include computer logic and design and some principles of computer science required for non-scientific applications. This course is designed for non-science majors.

Means for Evaluation: There will be three exams and at least eight computer programming exercises.

Class Meetings: Five days a week for three hours each day. Students will also normally spend five hours per week at the computer terminal.

First Class Meeting: 9 A.M. Monday in Bush 328

COMPUTERS IN THE SCIENCES      SC 160 d      (IC)  
Dr. Joseph Mulson      Office: Bush 111

Course Description: This course has three main aims: 1. To provide a brief, but intense introduction to the BASIC-PLUS computer language; 2. To enable one to translate various types of problems into BASIC language and construct programs to solve these problems; and 3. To give one the facility of formulating a course of action for a formidable computer project.

Means for Evaluation: Tests, Homework assignments and a project which includes both a written and an oral report.

Class Meetings: Three hours daily for the first three weeks. The last two weeks will be spent on the project.

First Class Meeting: 9 A.M. Monday in Bush 210

## BEHAVIORAL SCIENCE

ARCHEOLOGICAL FIELD METHODS      BH 192 d      (IC)  
Dr. Marilyn Stewart      Office: Knowles 208-A

Course Description: The course is an experience in archeological field work, involving actual excavation and/or survey of archeological sites in Central Florida. After a week of introductory lectures we will spend four days per week in the field and one day in the laboratory, usually Fridays. Through practical experience and meaningful discussions it is hoped that the student will gain an appreciation of archeology and what is involved in studying past ways of life. We will be especially interested in examining the ecological relationships of Central Florida Indians of the past in order to better understand humankind as part of the natural system.

Means for Evaluation: Evaluation will be based on notes recorded in a daily journal and on a final examination.

Class Meetings: There will be eight hours of lectures each day for the first week. After that there will be field trips four days per week and a lab on the fifth day of the week.

First Class Meeting: 8 A.M. Monday in Knowles 101

BIOPHYSICAL MEASUREMENTS      BH 194 d      (IC)  
Dr. James Upson      Office: Knowles 201

Course Description: An opportunity for students to explore the area of physiological psychology with specific emphasis on the electrical potentials generated by the body. Animal and human subjects will be monitored in both experimental as well as natural settings. The studies will be of an empirical nature with minimal emphasis on psychological theory. This course aims to develop laboratory skills and to allow the student the opportunity to experience the range of possibilities available to investigate human phenomena through bodily functions.

Means for Evaluation: Evaluation will be based on written and oral reports and lab assignments.

Class Meetings: There will be lab and discussion daily and individual conferences as needed.

First Class Meeting: 8 A.M. Monday in Knowles 208

THE AUTOMOBILE AND AMERICAN SOCIETY      BH 196      (DS)  
Dr. John Weiss      Office: Knowles 204

Course Description: This course will be an examination of the impact the automobile has had on basic American institutions to include the family, the economy, the stratification system, etc. In addition, the role of the auto as both symbolic of and at the same time the main creator of certain social problems is also to be discussed. These include problems in the area of work, the environment, national priorities, and the consumption of natural resources. The basic structure of American society is examined in terms of the great emphasis on material success through the consumption of commodities where the auto plays a very central part. This course also pays particular attention to the problems of being an intelligent consumer, at least as far as the automobile is concerned. Because of this, a short course in auto operating fundamentals and basic auto repair is also included.



## BEHAVIORAL SCIENCE CON'T.

Means for Evaluation: There will be a group project based on materials found in Automobile and Consumer Journals.

Class Meetings: Two class meetings per week for two and a half hours each.

First Class Meeting: 10 A.M. Monday in Knowles 114

THE SKID-ROW ALCOHOLIC BH ~~291~~ 189 (DS)  
Dr. Arthur Jones Office: Park Avenue Building

Course Description: This is an intensive course in which each class member is expected to participate in a wide diversity of activities several hours each day. There is an enormous amount of literature on public drunkenness both popular and technical. Guest speakers will present lectures on technical (biochemical mostly) aspects. The class will visit local areas which feature alcoholic deviance, observe police treatment, Monday-court (the judicial handling of street alcoholics arrested over the week-end). We will review and visit all representative clinical, social work oriented, and group-supported strategies of handling the street alcoholic. This course aims to encourage the student to look with sensitivity and openness at a typical "out of sight, out of mind" social situation. The student will acquire valid impressions of the problem from the point of view of the alcoholic himself, and will see the operation of a network of social agencies which provide services and the gaps which exist in those services.

Means for Evaluation: Students will prepare a formal research paper. A written final evaluation will be held, the content of which will be a product of classroom deliberation and decision.

Class Meetings: 9 A.M. to 4 P.M. most days with a lunch break. These sessions will include lectures, discussions, library research, in-class analysis of data pertaining to class projects. Off-campus field experience will be scheduled with police, courts, and social agencies.

First Class Meeting: 9 A.M. Monday in Park Avenue Building B

FIELD RESEARCH IN ECOLOGICAL PSYCHOLOGY BH ~~292~~ 187 (DS)  
Dr. Roger Ray Office: Knowles 212

Course Description: Students will do group and independent research projects involving field methodologies applied to the analysis of human behavior in ecological environments (as opposed to laboratories). Since conceptual basics are prerequisite to the course, research activities will focus on methodology and data analysis mechanics, as well as report formatting, rather than background readings and vocabulary building. This course attempts to generate field research skills in social and ecological psychology, and to further students' sophistication in systems analysis techniques applied to human behavior dynamics.

Means for Evaluation: The student will be evaluated on the execution of a research project and a report.

Class Meetings: One hour daily and some "ad lib" meetings. There will be individual conferences as needed for individually specific problems about research in progress.

First Class Meeting: 8 A.M. Monday in Knowles 111

## BEHAVIORAL SCIENCE CON'T.

ART AND CULTURE - HISTORY OF THE MEDITERRANEAN AREA (MINOAN AND MYCENAEAN CIVILIZATION) BH 294/A294 (IC)  
Professor Daniel E. Woods

Course Description: See A 294/BH 294, page 10.

ENVIRONMENTAL MONITORING BH 296/ES 296 (DS)  
Dr. Tom Harblin Office: Knowles 214

Course Description: This course will focus on the principles, applications, administration, techniques and indices of environmental monitoring. Students will learn how tests are conducted on water, air and land, as well as, food additives, pollutants, waste treatment, energy, species census, etc., how environmental legislation is developed, administered, and enforced, resource management practices, how environmental "messages" are observed, interpreted, reported, and responded to, and career opportunities in environmental monitoring. Students will also learn about environmental monitoring career opportunities and how to critique environmental monitoring techniques and suggest alternatives.

Means for Evaluation: Student commitment to the course and demonstrated knowledge and skill development. Students will keep a journal of activities, analysis, and personal meaning. Each student will do a lab demonstration to instruct colleagues on techniques. Students will also develop an article file from newspapers, journals, books, etc. There will be a group oral final.

Class Meetings: One review, discussion, and planning session per week. Two to three field trips/labs per week. There will be informal and ongoing individual conferences throughout field trips. Conferences will be held more formally in the office as requested and needed by students.

First Class Meeting: 9 A.M. Monday in Knowles 207

## ECONOMICS AND BUSINESS ADMINISTRATION

INTRODUCTORY MARKETING BA 190 (IC)  
Mr. Arthur Kenison Office: Crummer 209

Course Description: Each student will be required to present a paper and oral report on the feasibility of a firm (hypothetical or real) introducing a new product or service into the market. Topics included in their reports will be: a market research study on the potential demand; a description of the product; a selection of a distribution system; the creation of an advertising campaign; and an analysis of the price structure and profitability of the venture.

Means for Evaluation: The student is evaluated on the basis of five written and five oral reports.

Class Meetings: Three days a week for discussions and student presentations.

First Class Meeting: 9 A.M. Monday in Crummer 318



## ECONOMICS AND BUSINESS ADMINISTRATION CON'T.

ECONOMIC PROBLEMS OF TECHNOLOGY IN THE U.S.      EC 192      (IC)  
Dr. Heather J. Slemmer      Office: Crummer 109

Course Description: An analysis of technological changes in the 19th and 20th centuries as they affected economic output, income distribution, and some aspects of political structure. Problems created by major industrial development in transport, communication, manufacturing, consumption, standards of living and regulation of industry. Major social changes resulting from technical advancement.

Means for Evaluation: Research and term paper.

Class Meetings: Three to five days per week, for two hours per day.

First Class Meeting: 9 A.M. Monday in Crummer 221

INVESTMENTS      EC 308      (IC)  
Mr. Ross A. Evans      Office: Crummer 116

Course Description: The economics of investment are developed by studying the nature of investment and investment media, and the capital market. Emphasis throughout the course is on investment in stocks and bonds--the objectives of the individual to be accomplished. Real estate as an investment is also analyzed.

Means for Evaluation: Several short research papers.

Class Meetings: Five days per week for two hours each day.

First Class Meeting: 8:30 A.M. Monday in Crummer 112

MARKETING RESEARCH AND DECISION MAKING      BA 390      (IC)  
Dr. Frank Dasse      Office: Crummer 316

Course Description: An intensive study of the problems of marketing, research and managerial decision-making based upon current advanced techniques of analysis. Quantitative and qualitative methods of determining market structure, market segmentation, market development and marketing regulation. Students will be introduced to general and special methods of market research, formation and distribution of channels, and the factors which management must take into account in making marketing decisions. Substantial use of research material and techniques will be emphasized.

Means for Evaluation: Oral and written problems, cases, and reports.

Class Meetings: Daily in first and last parts of the term with individual and group research in the intervening periods.

First Class Meeting: 9 A.M. Monday in Crummer 213

ECONOMIC PARADIGMS AND METHODOLOGY      EC 394      (IC)  
Mr. Ken Taylor      Office: Crummer 208

Course Description: An intensive study of the way in which orthodox and nonorthodox economists perceive economic reality and the methodologies employed in analyzing economic phenomena. Subsequently, the class will analyze current social issues from the various viewpoints presented.

Means for Evaluation: Research paper, test and class participation.

Class Meetings: Five days a week for two hours each day.

First Class Meeting: 9 A.M. Monday in Crummer 219

## ECONOMICS AND BUSINESS ADMINISTRATION CON'T.

MANAGERIAL FINANCE      BA 395      (IC)  
Dr. Paul Schauwecker      Office: Crummer 118

Course Description: An introduction to managerial finance using material, cases and problems from the developing trends in financial theory and practice. Problems in capital planning. Developing models for financial management. Financial reporting. Perspectives in determining long and short-term yield.

Means for Evaluation: Case and problem reports and papers.

Class Meetings: Every day in the beginning and ending segments of the term. Conferences during the intervening period.

First Class Meeting: 9 A.M. Monday in Crummer 222

THE ECONOMICS OF NOT-FOR-PROFIT-PRODUCTION      EC 396      (IC)  
Dr. Wayne D. Hales      Office: Crummer 210

Course Description: An investigation of the economic efficiency of resource allocation to such organizations as educational institutions, hospitals, museums and to the production of public services by governments. This will be an intensive course that will require regular attendance throughout the term.

Means for Evaluation: Grades will be determined on the basis of performance on quizzes and the quality of a research project.

Class Meetings: Class will meet on a regular basis for a time to be determined by the instructor.

First Class Meeting: 9 A.M. Monday in Crummer 223

TAXATION      BA 398      (IC)  
Mr. John W. Mc Call      Office: Crummer 110

Course Description: A study of taxation from the accounting standpoint. Application of federal income tax law. Problems in taxation, trends in interpretation.

Means for Evaluation: Quizzes, homework assignments, and papers.

Class Meetings: Five days per week for two hours each day. Individual conferences as needed.

First Class Meeting: 8:30 A.M. Monday in Crummer 316

SENIOR INDEPENDENT STUDY      BA 499/EC 499      (IS)  
Dr. Charles A. Welsh and Staff      Office: Crummer 118

Course Description: Independent study for seniors majoring in Economics or Business Administration, in fields of theory or applied analysis of prime interest to the individual student. The study is conducted by the senior with advice and consent of a faculty member with respect to definition of problem, scope, methodology, format of inquiry, and statement of results. Emphasis is placed on the development of the student's capacity to explore problems in areas of significance in Economics and Business through the use of effective research methods.

Means for Evaluation: Written reports, research papers and special test problems where applicable.

Class Meetings: Individually arranged.

First Class Meeting: 9 A.M. Monday in Crummer Office 118



## EDUCATION

SPEED READING THROUGH THE LIBERAL ARTS      ED 191      (IC)  
Dr. Virginia Stevens      Office: Park Avenue Building 7

Course Description: Students will be required to read two books from each of the divisions of the college, one relatively easy and one more difficult, which they probably have not read in their courses, but which are suggested for a broad liberal arts background. Work with vocabulary improvement and study skills is also included. Improvement in speed and comprehension is determined by means of standardized reading tests. The course is individualized in that individual assignment sheets are prepared which utilize the materials available in the Reading Laboratory. Daily attendance is required.

Means for Evaluation: Vocabulary tests and a final exam. Pre- and post-standardized reading tests to measure individual improvement.

Class Meetings: Three days a week for two hours each day, and approximately six hours per week in the reading lab.

First Class Meeting: 9 A.M. Monday in Park Avenue Building *7 Rding Lab*

DIRECTED OBSERVATION AND PARTICIPATION      ED 291      (DS)  
Dr. Nancy McAleer      Office: Park Avenue Building 7

Course Description: Students will be placed as teacher assistants in area schools. They will spend four hours each morning working with teachers and groups of elementary and/or secondary students. The class will meet twice as a group for orientation before going into the schools and once for culmination at the end. Daily attendance at the assigned school is required. Transportation to and from assigned schools must be arranged. It is hoped that the exposure to this course will help potential students decide if education is for them.

Means for Evaluation: Daily log, self-evaluation paper, classroom teacher evaluation, and evaluation made from observations by professor. This course will be graded Credit/No Credit.

Class Meetings: Two orientation meetings, one culmination meeting. Classroom experience five days a week for four hours each day. Additions workshops, PTA meetings and school board meetings are also encouraged.

First Class Meeting: 9 A.M. Monday in Park Avenue Building 6

FIELD EXPERIENCE IN SPECIAL EDUCATION      ED 292      (DS)  
Dr. Michael Kahn      Office: Park Avenue Building 7

Course Description: This course will concern itself with giving interested students an opportunity to work with special education children. The student will work as a teacher's aid in one of the following areas: Emotional Disturbances, Severely Retarded, Learning Disabled, and Physically Handicapped.

Means for Evaluation: Supervising teacher's evaluation, Rollins instructor's evaluation, and a term paper.

Class Meetings: Two three hour sessions per week and field experiences of twenty hours per week.

First Class Meeting: 8:30 A.M. Monday in Park Avenue Building 9

## EDUCATION CON'T.

EDUCATION FOR WORLD UNDERSTANDING      ED 294      (DS)  
Dr. Clifford J. Craven

Course Description: The course will examine the role that education at various levels might play in decreasing cultural and national hostilities and in building citizen attitudes, based on the reality of global interdependence, which are conducive to international cooperation and peace. Consideration will be given to the educational implications of nationalism, historic culture conflicts, tribalism, multi-lingualism, divergent national interests, nation-state politics, supranational organizations, the "haves and have nots", international terrorism and underdevelopment. Educational efforts in school curricula, area and intercultural studies, student exchange, study-abroad programs and international assistance will be surveyed by the use of specific examples. Attention will be devoted to the growth of Irenology, or Peace Studies, as a subject matter in colleges and universities. It is hoped that students in other fields who take the course may gain increased understanding of the effect of present and potential educational conditioning on citizen attitudes and public opinion concerning international and intercultural relations.

Means for Evaluation: Grade will be based on reports and other materials.

Class Meetings: The class will meet as a whole-at least 4 times, possibly more often. Individual interviews or sub-group meetings related to topics selected for reports will be held frequently for all students.

First Class Meeting: 9 A.M. Monday in Bush 303

## HISTORY

ENGLISH HISTORY ACCORDING TO HOLLYWOOD      H 189      (IC)  
Dr. Barry Levis      Office: Knowles 106

Course Description: This course will explore the impact that Hollywood has had on our understanding of English history. Students will read selected historical monographs which will be thoroughly discussed in class. Then they will view popular historical films on the same topic and make comparisons between accepted historical interpretations and the celluloid version. The course will concentrate primarily on the reigns of Henry VIII, Elizabeth I and Oliver Cromwell. Time will also be spent discussing the development of historical films. There will be a \$10 lab fee to help defray the cost of films.

Means for Evaluation: After each film, students will submit a critique of the film based on their reading. A grade will also be given for class participation.

Class Meetings: Discussion classes of readings five days per week for two hours each day. There will also be a two hour film lab on Thursdays.

First Class Meeting: 9 A.M. Monday in Knowles 102



## HISTORY CON'T.

ROLLINS COLLEGE AND THE LIBERAL ARTS EXPERIENCE: AN HISTORICAL PERSPECTIVE  
H 196 (DS) Dr. Jack C. Lane Office: Knowles 114

Course Description: This course will explore the nature and meaning of liberal arts education by studying its historical development in the United States and its present role in American education. The Rollins College experience will serve as a model for this study. The student will be able to, among other things, formulate an individual definition of the liberal arts education and to show how such an experience fulfills the student's own individual needs.

Means for Evaluation: Approximately two tests; one article or one chapter read and critiqued per day; and a major research paper.

Class Meetings: Regular, daily two hour class meetings.

First Class Meeting: 9 A.M. Monday in Crummer B-17,18

NIXON'S AMERICA, AMERICA'S NIXON H 197 (IC)  
Dr. Gary Williams Office: Knowles 107

Course Description: A seminar on the political career of Richard Nixon and the relationship of that career to selected themes in American society and politics from 1945 to 1975. The course will begin with individually assigned background readings from the library on the Cold War and the McCarthy period. Nixon's early career will be discussed in this context. Using Nixon's Six Crises, an attempt will be made to understand the Nixon personality. Nixon's role in and the meaning of Watergate will be the final major topic. Within this chronological framework, other topics to be discussed will include "the paranoid style in American politics," the Checkers speech and the Nixon-Eisenhower relationship, the Nixon impact on the Presidency, and the meaning of liberalism and conservatism in the recent past.

Means for Evaluation: One book review, several critical essays, class discussion, and a final "exam" in the form of a final interpretive essay. Class discussion will count, approximately 1/4 to 1/3 of final grade.

Class Meetings: Meet three to four times each week, depending on the type of reading and the topics for the week. Discussion classes are based on extensive reading.

First Class Meeting: 9 A.M. Monday in Knowles 113

WHITE ON BLACK/BLACK ON WHITE PART II: THE SOUTHERN EXPERIENCE H 295/E 295 (DS)  
Mr. Alzo Reddick/Dr. Maurice o'Sullivan Offices: Carnegie 201/Orlando 209

Course Description: See E 295/H 295, page 14.

POLITICAL SCIENCE

MASS MEDIA - PROPAGANDA - "THE FOLKLORE OF INDUSTRIAL MAN" PO 195 (DS)  
Dr. Norman Gilbert Office: Knowles 105

Course Description: A critical analysis and discussion of contemporary trends, problems, and objectives of the media of mass communications. Special emphasis will be placed on the nature of propaganda and its external and internal characteristics. In particular we will focus on the effects of mass media as a primary factor in changing societal relationships.

Means for Evaluation: Written reports and a major presentation based on individual research and utilizing different medium.

Class Meetings: Four days a week for two hours each day. Individual conferences will be arranged and mandatory four hours each week.

First Class Meeting: 10 A.M. Monday in Knowles 112

LATIN AMERICANS IN THE U.S. PO 290 c (DS)  
Dr. Luis Valdes Office: Knowles 110

Course Description: Three major Spanish-speaking minorities are classifiable in the United States: they are Mexican, Cuban, Puerto Rican. Although culturally and linguistically identifiable with the Spanish language and tradition in the New World, the differences between them and the variations in their problems and contributions vis-a-vis contemporary American society stem from the nationalities, the historical circumstances of their being in the United States, and the environment in which they find themselves. This course addresses itself to the study of these contributions, problems, and environment thereof.

Means for Evaluation: Oral report, individual paper, joint final report, and research outlines.

Class Meetings: Seminar type, six hours per week.

First Class Meeting: 10 A.M. Tuesday in the Casa Iberia.



### III OFF CAMPUS GROUP STUDIES

#### LISTING OF STUDIES

Course No.	Location	Topic	Instructor
<del>BH 291 c</del>	<del>Mexico, Guatemala, Hondorus</del>	<del>The Culture, History and Archeology of the Maya Area</del>	<del>Pequeno</del>
B 397	Rollins Campus; Smithsonian Research Institute Barro Colorado Island, Panama Canal Zone	Tropical Biology 10	Richard
GN 197 c	Munich and Vienna	German Language & Culture 11	Bonnell
SH 197 c	Spain	The Culture and Civilization of Spain 18	Stadt
<del>RN 295 c</del>	<del>The Soviet Union</del>	<del>The Soviet Union - 1977</del>	<del>Danowitz</del>
EC 3 197 c	London	A Study of the Economics of "Typically English" Small Business Firms 12	Hill
<del>ED 197 c</del>	<del>London</del>	<del>Directed Observation and Participation in English Public Education</del>	<del>Cotanche</del>
<del>TA 197 c</del>	<del>London</del>	<del>Lively Arts in London</del>	<del>Amlund</del>
SP 397	New York City; Rollins Campus	Communications - 1977 26	Rodgers

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## DESCRIPTION OF STUDIES

- Title:** THE CULTURE, HISTORY AND ARCHAEOLOGY OF THE MAYA AREA
- Course Number:** BH 291 c
- Location:** Mexico, Guatemala, Honduras
- Instructor:** Dr. Pedro Pequeno      **Office:** Knowles 207 A
- Course Description:** The purpose of this course is to introduce the individual student to the basic principles of Mayan culture and peoples, as depicted in the archaeological record (ruins, museums, etc.), and the ethnographical literature (the visitation of many Mayan Indian towns, in the above mentioned nations). In addition, on-site lectures will be presented on Mayan art, architecture, and the interpretation of Mayan culture as depicted in the archaeological/ethnohistorical record. The rise and fall of the Mayan civilization will be carefully considered.
- Pre-requisites:** None
- Requirements:** Students will be expected to have completed a certain number of readings before the beginning of the winter term, and will have to pass an examination at this time. In addition to the required readings, all students are expected to participate in required seminars, attend all lectures and complete an anthropological journal.
- Approximate Cost:** \$710.
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- Title:** TROPICAL BIOLOGY
- Course Number:** B 397
- Location:** Bush Science Center, Rollins Campus; Smithsonian Research Institute Barro Colorado Island, Panama Canal Zone
- Instructor:** Dr. David Richard      **Office:** Bush 212
- Course Description:** Introduction to the biology of the tropics. Directed, in-field studies of representative aquatic and terrestrial systems of the American Tropics based at field locations in Panama and Costa Rica. Approach will be a general ecological-geographic survey with main emphases on recognition and study of the dominant biota of the major ecosystems of the Neotropics: lowland tropical rain forest, cloud forest, deciduous monsoon forest, tropical fir forest, Pacific mangrove forest, palermo, etc. A unique opportunity to study first-hand the exotic flora and fauna of the tropics: an environment which is highly complex and of very great scientific interest. Designed to allow maximal student participation--via a concentrated, "in-the-jungle" approach--in the comprehensive study of tropical areas where energy flow, species diversity, and productivity are highest.



- Pre-requisites:** Biology 102 or consent of instructor
- Requirements:** Daily quizzes during first (9-day) stage of sessions (Bush Science Center); complete field notebook, covering all off-campus field work; lists of species identified by location; participation in evening seminars (at Panama); final report summarizing and contrasting the various ecosystems studied in the field.
- Approximate Cost:** \$600.
- Title:** GERMAN LANGUAGE AND CULTURE
- Course Number:** GN 197 c
- Location:** Munich and Vienna
- Instructor:** Dr. Peter Bonnell      Office: Hauck 206
- Course Description:** The primary objective of this course is to give students a unique opportunity to study and practice their language skills on German soil under the guidance of an expert native instructor. Emphases will be on conversational proficiency with daily classwork and use of tape recorders. Language instruction will be given on different levels. Students only interested in German culture (history, music, art, literature, political science) can also participate. They can undertake independent research projects under the guidance of the instructor using English sources of the Munich public library.
- Visits to famous historical sites, the great art galleries, the fascinating museums, two excursions to the beautiful Upper Bavarian resorts will introduce students to German culture and ways of life. All classwork, tours, and excursions will be conducted by the instructor. All lectures will be given in German and in English for the benefit of those wanting to practice their German at all hours of the day.
- Pre-requisites:** None for the German culture students; at least German 101 for German language students.
- Requirements:** All students must keep a diary which is to be written in German by German language students. Articles from newspapers are translated daily. Non-language students write their diary in English. In addition, they must write a research project on one aspect of German culture.
- Approximate Cost:** \$965.

Title: THE SOVIET UNION - 1977.

Course Number: RN 295 c

Location: Union of Soviet Socialist Republics

Instructor: Dr. Edward Danowitz Office: Hauck 205

Course Description: In-country study and observation of life of the Soviet citizen within the structure of the society of the U.S.S.R. Comparison of the cultural, social economic levels to be made between the inhabitants of areas visited, as well as determination of the contributions of each to the national state. While in each city, directed and guided visits will be made to national and local points of interest, cultural, economic and educational institutions.

Pre-requisites: None; however, priority will be given to students who have completed Russian 101, 102, 201, 202, 311, 331 and History 334 and 335.

Requirements: Each student will be required to write a detailed report comparing the cultural, social and economic levels of the areas visited and the role of each in the development of the national society, or a report on a subject in the student's major area upon approval of the course director.

Approximate Cost: \$1,050.

Title: THE CULTURE AND CIVILIZATIONS OF SPAIN

Course Number: SH 197 c

Instructor: Dr. Bessie Stadt Office: Hauck 206 200

Course Description: For all students: In-country study-tour of the culture and layers of civilization of Spain. In addition to the above, for students of Spanish: practice in the Spanish language; directed and/or independent study of a literary topic for those students who have successfully completed Spanish 331/332. The proposed itinerary includes several days stay in each of the following cities: Madrid, Cordoba, Sevilla, Granada, Malaga (Torremolinos) as well as a guided tour to Toledo, the former capital of Spain, and an overnight guided tour to Morocco-Ceuta, Tetuan and Tangier.

Pre-requisites: A knowledge of Spanish is desirable, but not required.

Requirements: A diary and a written report describing the cultural differences of the regions visited and how the various peoples contributed to the development of the civilization of Spain. A term paper on a previously selected literary topic by students who have taken Spanish 331/332.

Approximate Cost: \$850.



**Title:** A STUDY OF THE ECONOMICS OF "TYPICALLY ENGLISH" SMALL BUSINESS FIRMS

**Course Number:** EC 197 c

**Location:** London, England

**Instructor:** Dr. Donald Hill      **Office:** Crummer 216

**Course Description:** This course is intended to increase the understanding of the Microeconomic Theory as applied to a foreign country and British small business operations. It is also intended to acquaint each student with the vast cultural opportunities in Great Britain, its historic development and the viewpoint of the British people and their institutions. This study will include field trips to selected British firms; seminars with representatives of the three major political parties, labor union officials, and experts from the universities; and field excursions to Stonehenge, Stratford-on-Avon, Oxford, Cambridge and Canterbury.

**Pre-requisites:** Sophomore standing, Economics 212 or consent.

**Requirements:** Participation in the seminars and other parts of the program and a research report.

**Approximate Cost:** \$750.

**Title:** DIRECTED OBSERVATION AND PARTICIPATION IN ENGLISH PUBLIC EDUCATION

**Course Number:** ED 197 c

**Location:** London, England

**Instructor:** Dr. Deloit Cotanche      **Office:** Park Avenue Building 7B

**Course Description:** This course is intended to expose Rollins students to English and Scottish culture and society and to examine English public education and teaching approaches. Specifically, the students will be exposed to various English classes, observe child and adolescent behavior, and observe and participate in various classroom activities. It is hoped that the students will obtain an understanding and appreciation of England's people, society and its schools.

**Pre-requisites:** None

**Requirements:** All students will be required to attend formal lectures and discussions before and during their stay in England. They will also be required to spend a minimum of three hours a day for two weeks in an English classroom and complete a daily log during these two weeks. In addition, a series of reaction papers and a set of appropriate readings will be required.

**Approximate Cost:** \$860.

Title: LIVELY ARTS IN LONDON  
Course Number: TA 197 c  
Location: London, England  
Instructor: Mr. Dale Amlund      Office: Annie Russell Theatre 202  
Course Description: A first-hand study of theatre in London. Viewing at least 12 professional productions followed by critiques. Tours of London drama schools, BBC, etc. Day trips to Stratford, Oxford, Cambridge, etc. Possible lectures by eminent MP's, poets, artists, historians, etc. Lecture-discussions with actors, playwrights, directors, critics. Short daily seminars. Study tours will also be conducted.

Pre-requisites: None

Requirements: Critiques for 12 plays, two tests on the above, and a daily diary to be submitted before the return from London. A long paper based on the diary which formalizes the impressions of the trip will be submitted on return to campus.

Approximate Cost: \$770.

Title: COMMUNICATIONS 1977  
Course Number: SP 397  
Location: New York City and Rollins Campus  
Instructors: Dr. Charles Rodgers/Mr. LaRue Boyd  
Offices: WPRK/Public Relations Bush 103  
Course Description: This course is intended to acquaint the students with the nature of employment in the field of Communications. The course will begin with a trip to New York City to visit TV and radio stations, numerous advertising agencies, public relations offices, newspapers and magazines and publishing houses. The remaining portion of the course on the Rollins Campus will include intensive course work dealing with the various aspects and facets of communications, lectures and discussions by local men and women involved in communications, and field trips to local advertising agencies, TV and radio stations and newspapers.  
Pre-requisites: Communications area major, SP 101, 141, 142, 251, 304 or 322  
Requirements: Several research papers and numerous oral presentations  
Approximate Cost: \$300.



#### IV INDIVIDUAL OFF-CAMPUS PROJECTS

##### Approval Procedure

The procedure for applying for an Individual Off-Campus Winter Term Project will be as follows:

- 1) Contact the host organization and discuss your preliminary plans with a representative of the organization. If the organization is local, a preliminary interview should be arranged.
- 2) Pick up three copies of the application form and complete the student portion of these forms (one for you, one for your faculty sponsor and one which will be sent to the host organization and then will remain in the Office of the Provost).
- 3) Discuss your project with your faculty sponsor and agree on how he or she will communicate with you during the winter term and how your project will be evaluated. Your faculty sponsor will need to complete one portion of these forms and sign them. The sponsor should keep one copy of this form.
- 4) Obtain the signature of the academic adviser and send one copy of the application form directly to the host organization with an appropriate covering letter. Also send the attached (Intent to Apply) slip to the Office of the Provost.
- 5) The host organization will send a completed copy of this form directly to the Office of the Provost. The completed form must be received by the Office of the Provost by November 1, in order to be considered. You should notify the host organization of this deadline in your covering letter.
- 6) The proposal will then be considered by a Faculty Review Committee. Students will be notified about approval or disapproval of their project by November 17. If the project is approved, the student will receive a card which should be submitted to his or her adviser during the regular registration. The approval process must be initiated by the student at the beginning of the fall term. Keep in mind that no proposals will be accepted after November 1. As you are considering a possible proposal, you should be cognizant of the fact that it must be an academic endeavor, since you will be receiving academic credit for your work. It should involve you in more than just the acquisition of practical skills in a particular occupation by being clearly related to some academic discipline. Purely recreational projects should be avoided. You are encouraged to avoid conflict of interest situations such as family employment or supervision, wage earning, the continuation of a summer job or proposing a project at home or at some out-of-town location when similar opportunities are available in the Orlando/Winter Park area.

##### Local Participating Organizations

A list of local organizations that have expressed their desire to participate in this program is shown on the next page. However, you are free to make your own arrangements with other organizations. In order to help you in this process, you will find copies of a Community Resource Directory for Orange County in the Office of the Provost and in the Student Affairs' Office.

<u>ORGANIZATION</u>	<u>REPRESENTATIVE</u>	<u>PHONE</u>	<u>TOPICS</u>
Channel Nine of Orlando	Mr. Richard Flynn Business Manager	841-9000	1. Observation & Participation: General News 2. Observation & Participation: Sports 3. Observation & Participation: Program Dept. 4. Observation & Participation: Administration
ComBanks Corporation	Mr. David Johnston Vice President	628-1323	Bank Personnel Studies
Florida Gas Company	Mr. Joseph Edmondson Director of Personnel	646-1331	1. Accounting (Accounting-Jr. or Sr. Standing) 2. Financial Projects (Finance-Jr. or Sr.) 3. Personnel Projects (B. Adm.-Jr. or Sr.)
Florida Power Corporation	Mrs. Ann Maynard Public Information Coordinator	646-8266	1. Energy Program for Secondary Schools 2. Media Use for Consumer Education 3. Total Public Information
Iveys of Florida Winter Park Store	Mr. Tom Braaten Vice Pres.-Personnel	644-8511	1. Iveys and the Retail Community 2. Advertising Analysis 3. Customer Survey 4. Iveys and Fashion Stores 5. Customer Service
J. Rolfe Insurance Agency, Inc.	Marion Hatcher C.D. McBryde John Watson	843-5010	Insurance Agency Operations
Sears Roebuck & Company	Mr. R.L. Huffman Personnel Manager	894-4441	1. Retail Accounting Systems 2. Personnel Policy and Administration 3. Advertising 4. Visual Merchandising 5. Retail Inventory Management
Sentinel Star Company	Mr. Daniel Hall Personnel Manager	420-5574	1. Accounting 2. Advertising 3. News Reporting 4. Marketing Research



Southern Bell Telephone  
Company

Mr. Gregory Heydel  
Commercial Department

894-9852

Consumer Attitudes

WESH-TV, Channel 2

Mr. Kenneth Smith  
Mr. Jack Hitchcock

645-2222

Station Operations

Winter Park Memorial  
Hospital

Mrs. Jane Hames  
Personnel Director

646-7111

1. Research: Hospital Management
2. Hospital Administration

## V ENGINEERING COURSES AT WASHINGTON UNIVERSITY IN ST. LOUIS

Through a cooperative agreement with the School of Engineering and Applied Science at Washington University in St. Louis, Missouri, Pre-engineering students at Rollins College have the opportunity to enroll in two-week intensive engineering courses on the Washington University Campus. These courses are specifically designed for pre-engineering students attending colleges that participate in 3-2 agreements with Washington University. They allow students to explore and confirm interests in engineering and to sample the various engineering curricula. They also provide the students and faculty the opportunity to verify the student's ability in Engineering and Applied Sciences.

Rollins will accept these three semester hour courses as equivalent to one Rollins winter term course. In addition, the student will earn credit which will make the completion of a degree in engineering at one of the 3-2 cooperative institutions easier. The cost of this program to each student will be a tuition of \$366, housing and meals \$144, for a total of \$510. The student should also allow for travel expenses and \$35 for incidentals. Students who qualify for this program will receive a refund for that portion of their Rollins tuition which they have paid and a refund for a portion of their board fee. However, since the College must reserve rooms, we will not be able to refund any portion of the housing charge. In addition, Washington University at St. Louis will provide to deserving students a two-thirds tuition remission upon the recommendation of the faculty.

The three courses listed below will be offered from January 2 through the 18th. Each course will involve three lecture sessions and an independent study or laboratory each day. The student may take only one course during the winter term.

### CE, ME 231. Introduction to Engineering Mechanics.

Prerequisite: Calculus I; permission of instructor required for freshmen.

Equilibrium forces and moments. Applications: trusses, frames, machines. Friction. Internal equilibrium in solids. Normal and shear stress: stress tensor. Elastic deformation due to elastic bending, shearing, and twisting. Elastic strain. Elastic energy.

### ChE, ME 144. Introduction to Biomedical Engineering.

Prerequisite: Calculus I and II; Physics one year.

Introduction to areas of biomedical engineering where engineering faculty are currently active, with emphasis on technology of artificial organs (prosthetic heart valves, blood oxygenators, artificial kidneys, etc.). Tours of specific facilities at Barnes Hospital, such as the Dialysis Center, the computerized Coronary Care Unit, and the research laboratories of the Department of Surgery, will supplement the lectures.



SSM 202.

Introduction to Systems Science and Mathematics.

Prerequisite: Calculus I and II.

This course is intended to provide a broad but elementary understanding of the approaches and techniques used by systems science and by applied mathematics through applications to fields such as economics, physics, engineering, biology and ecology. In the case of each application, the emphasis will be placed on demonstrating how the mathematical results can lead to a better understanding of the natural phenomena. Analytical, numerical, and analog simulation approaches will be used. An attempt will be made to examine a relatively small number of problems very thoroughly and from many points of view.

For detailed information on this program and application forms, students should see Dr. John Ross, Coordinator of the 3-2 Engineering Program.





